

From the INTERNATIONAL BUREAU

**PCT**

FIRST NOTICE INFORMING THE APPLICANT OF  
THE COMMUNICATION OF THE INTERNATIONAL  
APPLICATION (TO DESIGNATED OFFICES WHICH  
DO NOT APPLY THE 30 MONTH TIME LIMIT  
UNDER ARTICLE 22(1))

(PCT Rule 47.1(c))

To:

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Date of mailing (day/month/year) 02 June 2005 (02.06.2005)		<b>IMPORTANT NOTICE</b>	
Applicant's or agent's file reference S-2			
International application No. PCT/JP2004/016484	International filing date (day/month/year) 29 October 2004 (29.10.2004)	Priority date (day/month/year) 29 October 2003 (29.10.2003)	
Applicant KOYO SEIKO CO., LTD. et al			

1. **ATTENTION:** For any designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002 (30 months from the priority date), **does apply**, please see Form PCT/IB/308(Second and Supplementary Notice) (to be issued promptly after the expiration of 28 months from the priority date).

2. Notice is hereby given that the following designated Office(s), for which the time limit under Article 22(1), as in force from 1 April 2002, **does not apply**, has/have requested that the communication of the international application, as provided for in Article 20, be effected under Rule 93bis.1. The International Bureau has effected that communication on the date indicated below:  
06 May 2005 (06.05.2005)

CH

In accordance with Rule 47.1(c-bis)(i), those Offices will accept the present notice as conclusive evidence that the communication of the international application has duly taken place on the date of mailing indicated above and no copy of the international application is required to be furnished by the applicant to the designated Office(s).

3. The following designated Offices, for which the time limit under Article 22(1), as in force from 1 April 2002, **does not apply**, have not requested, as at the time of mailing of the present notice, that the communication of the international application be effected under Rule 93bis.1:

LU, SE, TZ, UG, ZM

In accordance with Rule 47.1(c-bis)(ii), those Offices accept the present notice as conclusive evidence that the Contracting State for which that Office acts as a designated Office does not require the furnishing, under Article 22, by the applicant of a copy of the international application.

**4. TIME LIMITS for entry into the national phase**

For the designated Office(s) listed above, and unless a demand for international preliminary examination has been filed before the expiration of 19 months from the priority date (see Article 39(1)), the applicable time limit for entering the national phase will, **subject to what is said in the following paragraph**, be 20 MONTHS from the priority date.

In practice, time limits other than the 20-month time limit will continue to apply, for various periods of time, in respect of certain of the designated Offices listed above. For regular updates on the applicable time limits (20 or 21 months, or other time limit), Office by Office, refer to the *PCT Gazette*, the *PCT Newsletter* and the *PCT Applicant's Guide*, Volume II, National Chapters, all available from WIPO's Internet site, at <http://www.wipo.int/pct/en/index.html>.

It is the applicant's sole responsibility to monitor all these time limits.

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer  <b>Masashi Honda</b>
Facsimile No.+41 22 740 14 35	Facsimile No.+41 22 338 70 10

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/016484

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> F16J15/32, F16C33/78, F16C19/52, G01P3/487, B60B35/18

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> F16J15/32, F16C41/00, F16C19/52

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho	1922-1996	Jitsuyo Shinan Toroku Koho	1996-2005
Kokai Jitsuyo Shinan Koho	1971-2005	Toroku Jitsuyo Shinan Koho	1994-2005

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 2002-54647 A (Koyo Seiko Co., Ltd., Koyo Shirlingu Tekuno Kabushiki Kaisha), 20 February, 2002 (20.02.02), Claim 1; Par. Nos. [0042] to [0068]; Figs. 2, 5 & US 2002/18606 A1 Figs. 2, 5 & US 2003/59140 A1 Figs. 2, 5	1, 2, 5-7, 9, 10 3, 4, 8
Y	JP 1-316519 A (SKF GmbH.), 21 December, 1989 (21.12.89), Page 2, lower right column, line 12 to page 3, upper right column, line 7; Fig. 1 & US 4946296 A Column 2, line 41 to column 3, line 19 & DE 3809904 A1 & FR 2629155 A1 & IT 1232592 B	1, 2, 5, 9, 10

☒ Further documents are listed in the continuation of Box C.☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"Z" document member of the same patent family

Date of the actual completion of the international search  
08 March, 2005 (08.03.05)Date of mailing of the international search report  
22 March, 2005 (22.03.05)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/016484

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2002-543357 A (SKE {France}), 17 December, 2002 (17.12.02), Par. Nos. [0031] to [0043], [0049] to [0050]; Figs. 1, 3 & US 6655844 B1 Column 3, line 59 to column 5, line 44; column 6, lines 28 to 55 & EP 1173772 A & WO 2000/067038 A1 & FR 2792979 A1	6, 7